

#2 IDS
Kduncan
4/29/03



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Shrenik Deliwala :
Serial No.: Not yet known : Attorney Docket No.: 53168-500301D5
Filed: February 19, 2002 :
For: INTEGRATED OPTICAL/ELECTRONIC :
CIRCUITS AND ASSOCIATED :
METHODS OF SIMULTANEOUS :
GENERATION THEREOF :

INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §§ 1.56 ET SEQ.

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

In accordance with 37 C.F.R. § 1.97(b), the above-identified Applicants cite the following patents and publications, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. § 1.56. In compliance with 37 C.F.R. § 1.98(d), copies of the patents and publications set forth below and listed on the attached Forms PTO-1449 and PTO/SB/08A (5 sheets) have not been provided because they were cited in grand parent application no. 09/859,693 or parent application no. 09/991,542.

EXPRESS MAIL CERTIFICATE (37 C.F.R. § 1.10)

Express Mail Label No. EL931061741US Date of Deposit February 19, 2002

I hereby certify that this paper, and the papers and/or fees referred to herein as transmitted, submitted or enclosed, are being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

Name Daniel H. Golub

Signature

Patent No.	Patentee	Issue Date
6,177,685 B1	Teraguchi et al.	January, 2001
6,188,818 B1	Han et al.	February, 2001
6,166,846	Maloney	December, 2000
6,075,908	Paniccia et al.	June, 2000
6,122,419	Kurokawa	September, 2000
5,864,642	Chun et al.	January, 1999
5,872,360	Paniccia et al.	February, 1999
5,835,646	Yishimura et al.	November, 1998
5,696,862	Hauer et al	December, 1997
4,677,783	Cratsa	July, 1987
5,638,469	Feldman et al.	June, 1997
5,629,838	Knight et al.	May, 1997
5,625,729	Brown	April, 1997
5,625,636	Bryan et al.	April, 1997
5,605,856	Goosen et al.	February, 1997
5,568,574	Tanguay, Jr. et al.	October, 1996
5,502,779	Magel	March, 1996
5,485,021	Abe	January, 1996
5,434,434	Kasahara et al.	July, 1995
5,432,630	Lebby et al.	July, 1995
5,400,419	Heinen	March, 1995
5,198,684	Sudo	March, 1993
5,159,700	Reid, deceased et al.	October, 1992
5,153,770	Harris	October, 1992
5,061,027	Richard	October, 1991
4,966,430	Weidel	October, 1990
4,939, 793	Stewart	July, 1990
4,917,450	Pocholle	April, 1990
4,871,224	Karstensen	October, 1989
4,865,427	Kingston et al.	September, 1989
4,761,620	Bar-Joseph et al.	August, 1988
4,758,092	Heinrich et al.	July, 1988
4,695,120	Holder	September, 1987
4,422,088	Gfeller	December, 1983

Patent Appl. Publication No.	Patentee/Applicant	Publication Date
US 2001/0031112 A1	Frish et al.	October 18, 2001
US 2001/0031113 A1	Frish et al.	October 18, 2001

Other References

Michael C. Parker et al., Applications of Active Arrayed-Waveguide Gratings in Dynamic WDM Networking and Routing, Journal of Lightwave Technology, Vol. 18, No. 12, December 2000.

Bardia Pezeshki et al., Vertical Cavity Devices as Wavelength Selective Waveguides, Journal of Lightwave Technology, Vol. 12, No. 10, October 1994.

Lucent Technologies, Bell Labs Innovations, Arrayed Waveguide Grating Multiplexer/Demultiplexer, January 2000.

Robert Shi and Tomasz Jannson, Optical Interconnection Foundations and Applications, Chapter 5, Integrated Optical Waveguide Routing—Micro-optics, Artech House, pp. 141-225.

Amalia N. Miliou et al., A 1.3- μm Directional Coupler Polarization Splitter by Ion Exchange, Journal of Lightwave Technology, Vol. 11, No. 2, February 1993.

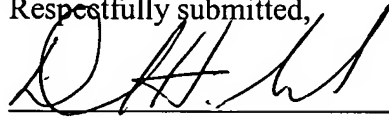
Gijs J. M. Krijnen et al., A New Method for the Calculation of Propagation constants and Field Profiles of Guided Modes of Nonlinear Channel Waveguides Based on the Effective Index Method, Journal of Lightwave Technology, Vol. 12, No. 9, September 1994.

Applicants respectfully request that these items be considered by the Examiner, and that the Examiner acknowledge consideration of these references by initialing and returning copies of the enclosed Forms PTO-1449 and PTO/SB/08A with the next official action.

While this Information Disclosure Statement may be "material" pursuant to 37 C.F.R. § 1.56, it is not intended to constitute an admission that any patent, publication or other information referred to herein is "prior art" for this invention or otherwise material to the patentability of this invention as defined in 37 C.F.R. § 1.56.

In accordance with 37 C.F.R. § 1.97(g), the filing of this Information Disclosure Statement shall not be construed as a representation that a search has been made or that no other material information as defined in 37 C.F.R. § 1.56(b) exists.

Respectfully submitted,



Daniel H. Golub
Reg. No. 33,701
Attorney for Applicant

MORGAN, LEWIS & BOCKIUS LLP
1701 Market Street
Philadelphia, PA 19103-2921
215.963.5055

Dated: February 19, 2002

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	ATTY. DOCKET NO. 53168-500301D5	SERIAL NO. Not yet known
	APPLICANT Shrenik Deliwala	
	FILING DATE February 19, 2002	GROUP Not yet known



U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	6	1	7	7	6	8	5	01/01	Teraguchi et al.			
	B	6	1	8	8	8	1	8	02/01	Han et al.			
	C	6	1	6	6	8	4	6	12/00	Maloney			
	D	6	0	7	5	9	0	8	06/00	Paniccia et al.			
	E	6	1	2	2	4	1	9	09/00	Kurokawa			
	F	5	8	6	4	6	4	2	01/99	Chun et al.			
	G	5	8	7	2	3	6	0	02/99	Paniccia et al.			
	H	5	8	3	5	6	4	6	11/98	Yishimura et al.			
	I	5	6	9	6	8	6	2	12/97	Hauer et al.			
	J	4	6	7	7	7	8	3	07/87	Cratsa			
	K	5	6	3	8	4	6	9	06/97	Feldman et al.			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

		L	Michael C. Parker et al., Applications of Active Arrayed-Waveguide Gratings in Dynamic WDM Networking and Routing, Journal of Lightwave Technology, Vol. 18, No. 12, December 2000.
		M	Bardia Pezeshki et al., Vertical Cavity Devices as Wavelength Selective Waveguides, Journal of Lightwave Technology, Vol. 12, No. 10, October 1994.
		N	Lucent Technologies, Bell Labs Innovations, Arrayed Waveguide Grating Multiplexer/Demultiplexer, January 2000.
		O	Robert Shi and Tomasz Jansson, Optical Interconnection Foundations and Applications, Chapter 5, Integrated Optical Waveguide Routing – Micro-optics, Artech House, pp. 141-225.
		P	Amalia N. Miliou et al., A 1.3 μ m Directional Coupler Polarization Splitter by Ion Exchange, Journal of Lightwave Technology, Vol. 11, No. 2, February 1993.
		Q	Gijs J. M. Krijnen et al., A New Method for the Calculation of Propagation constants and Field Profiles of Guided Modes of Nonlinear Channel Waveguides Based on the Effective Index Method, Journal of Lightwave Technology, Vol. 12, No. 9, September 1994.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(MODIFIED) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
53168-500301D5

SERIAL NO.
Not yet known

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

APPLICANT
Shrenik Deliwala.

(37 C.F.R. § 1.98(b))

FILING DATE
February 19, 2002

GROUP
Not yet known

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	R	5	6	2	9	8	3	8	05/97	Knight et al.			
	S	5	6	2	5	7	2	9	04/97	Brown			
	T	5	6	2	5	6	3	6	04/97	Bryan et al.			
	U	5	6	0	5	8	5	6	02/97	Goosen et al.			
	V	5	5	6	8	5	7	4	10/96	Tanguay, Jr. et al.			
	W	5	5	0	2	7	7	9	03/96	Magel			
	X	5	4	8	5	0	2	1	01/96	Abe			
	Y	5	4	3	4	4	3	4	07/95	Kasahara et al.			
	Z	5	4	3	2	6	3	0	07/95	Lebby et al.			
	AA	5	4	0	0	4	1	9	03/95	Heinen			
	BB	5	1	9	8	6	8	4	03/93	Sudo			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

EXAMINER

DATE CONSIDERED

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (MODIFIED) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 C.F.R. § 1.98(b))	ATTY. DOCKET NO. 53168-500301D5	SERIAL NO. Not yet known
APPLICANT Shrenik Deliwala		
FILING DATE February 19, 2002		GROUP Not yet known

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CC	5	1	5	9	7	0	0	10/92	Reid, deceased et al.			
	DD	5	1	5	3	7	7	0	10/92	Harris			
	EE	5	0	6	1	0	2	7	10/91	Richard			
	FF	4	9	6	6	4	3	0	10/90	Weidel			
	GG	4	9	3	9	7	9	3	07/90	Stewart			
	HH	4	9	1	7	4	5	0	04/90	Pocholle			
	II	4	8	7	1	2	2	4	10/89	Karstensen			
	JJ	4	8	6	5	4	2	7	09/89	Kingston et al.			
	KK	4	7	6	1	6	2	0	08/88	Bar-Joseph et al.			
	LL	4	7	5	8	0	9	2	07/88	Heinrich et al.			
	MM	4	6	9	5	1	2	0	09/87	Holder			

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER							PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
													YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Relevant Pages, Place of Publication)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(MODIFIED) PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.
53168-500301D5

SERIAL NO.
Not yet known

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use several sheets if necessary)

APPLICANT
Shrenik Deliwala

FILING DATE
February 19, 2002

GROUP	Not yet known
-------	---------------

[illegible]

		DOCUMENT NUMBER								PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
														YES	NO

DATE CONSIDERED

Page 4 of 4

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	Not yet Known
		Filing Date	February 19, 2002
		First Named Inventor	Spreenik Deliwala
		Art Unit	Not yet Known
		Examiner Name	Not yet Known
		Attorney Docket Number	53168-500301D5
Sheet	1	of	1



U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	00	US-2001/0031112 A1	10-18-2001	Irish et al.	
	PP	US-2001/0031113 A1	10-18-2001	Irish et al.	
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.